

République Algérienne Démocratique et Populaire

وزارة التعليم العالي والبحث العلمي

Ministère de l'Enseignement Supérieur et de la Recherche Scientifique

Centre Universitaire de Maghnia



TOPOGRAPHIE 02

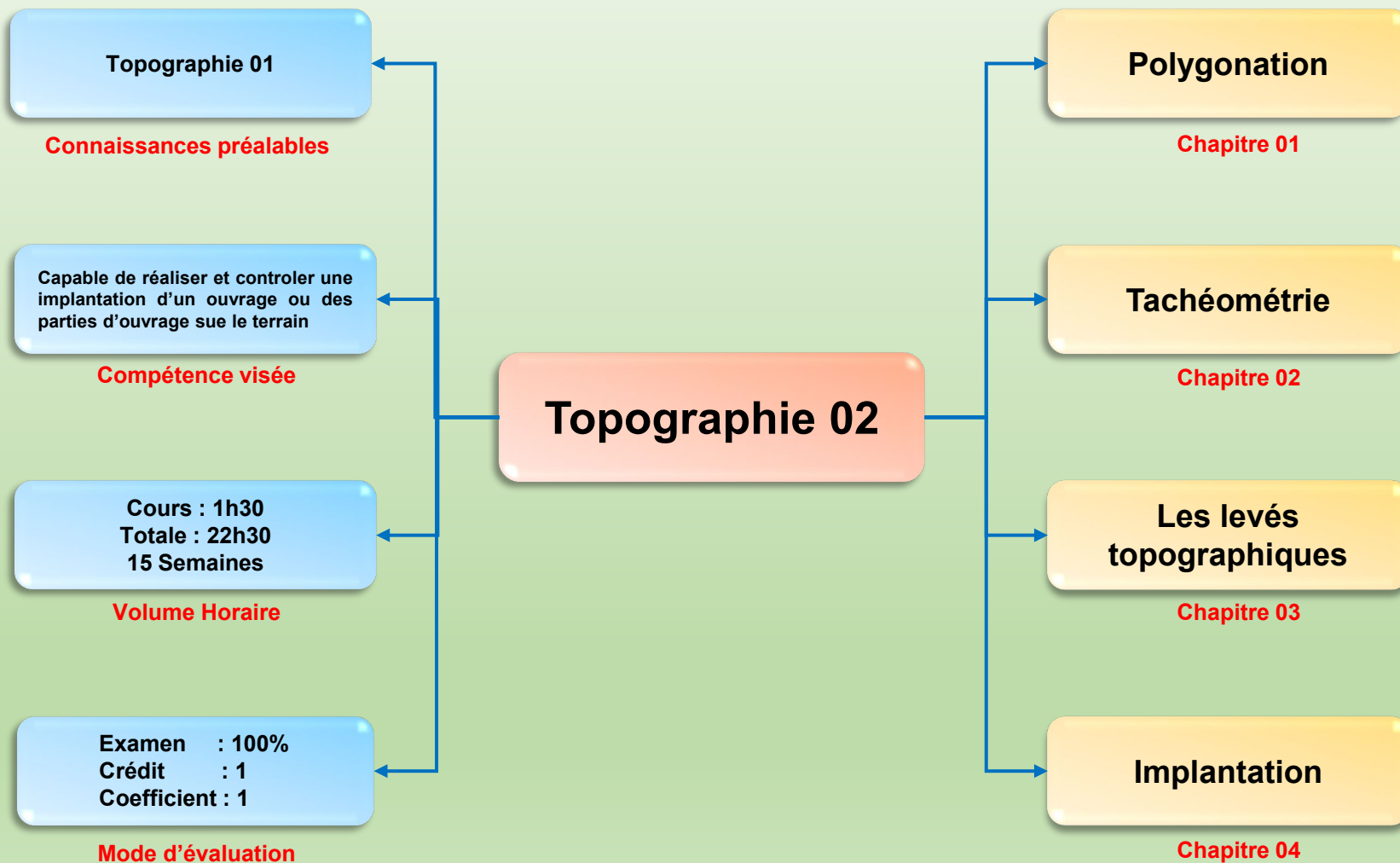
POLYGONATION-APPLICATION



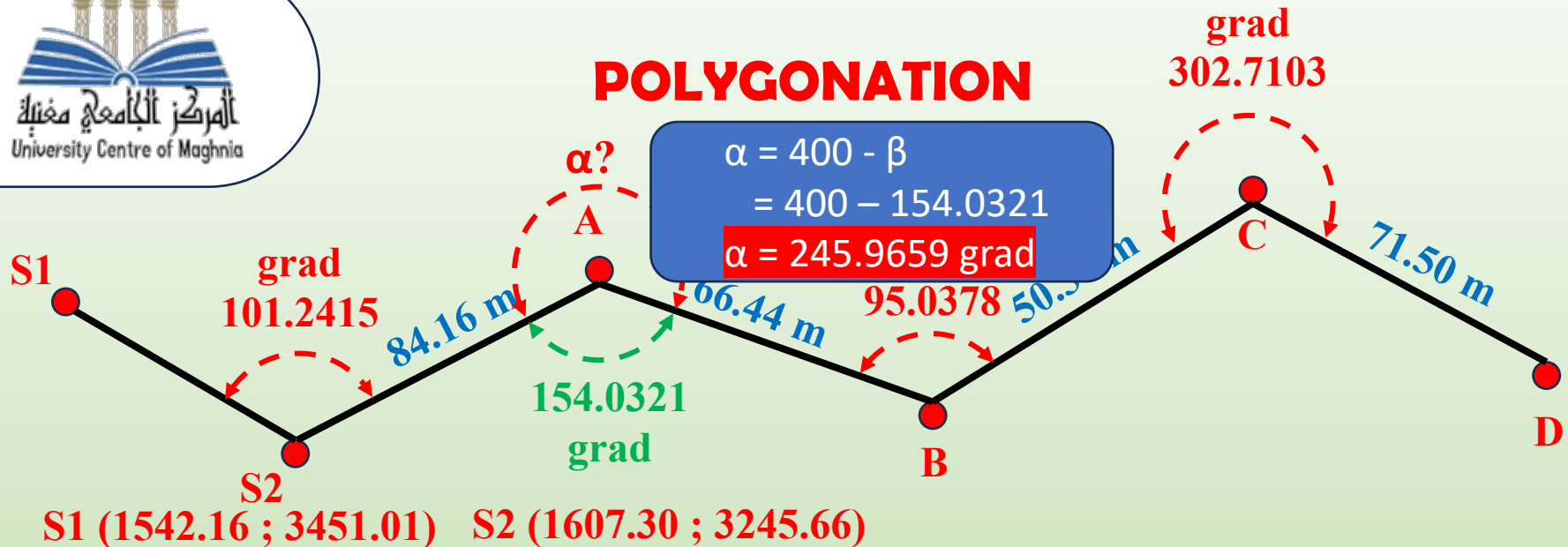
Présentée par : Dr. DRISS Abdelmoumen Aala Eddine



Description Générale de Matière

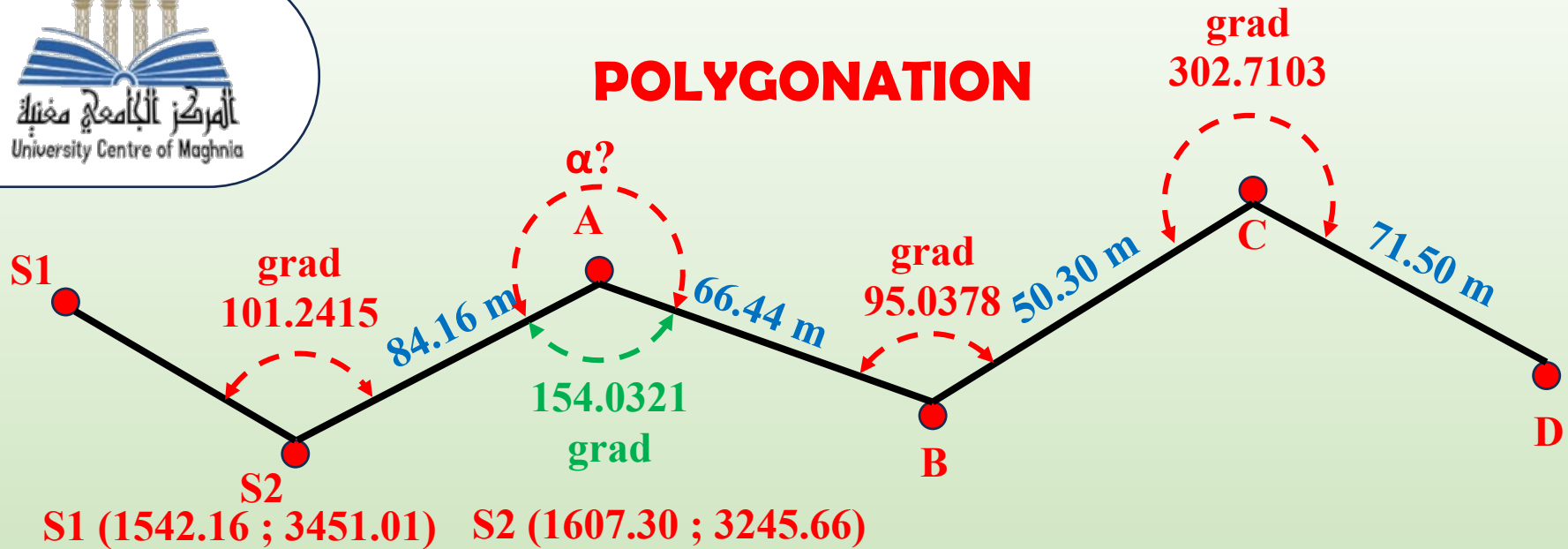


POLYGONATION



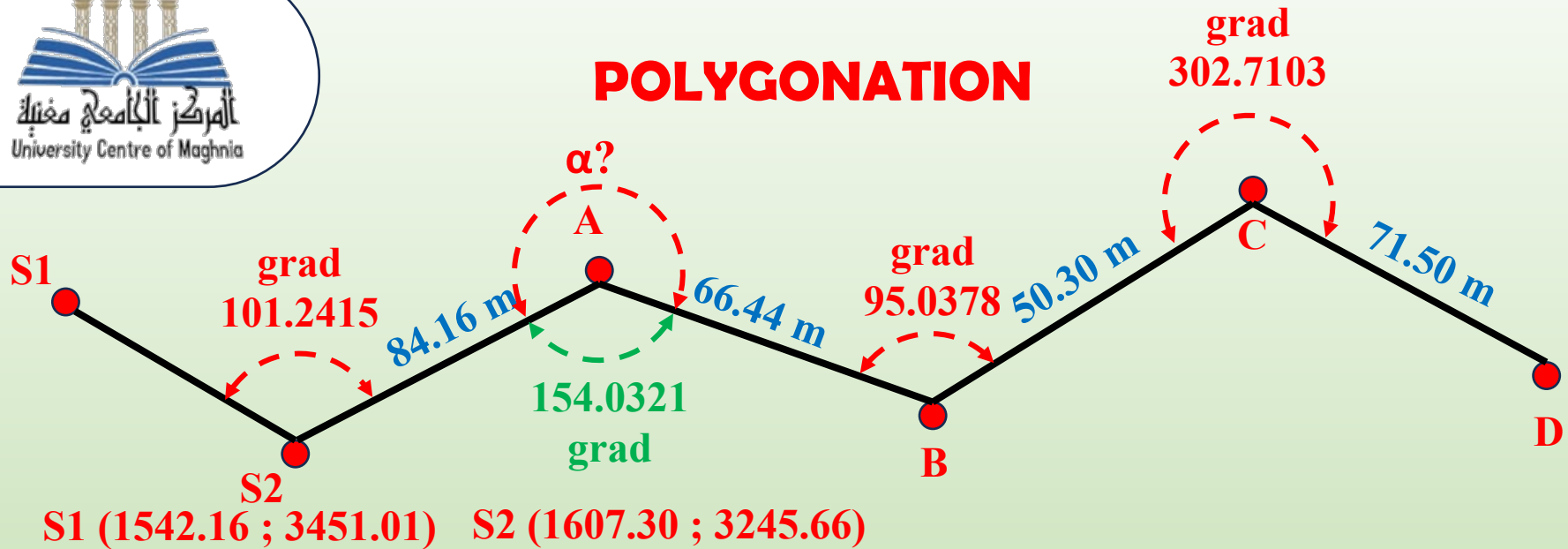
Points	Angles	G	D	Δ_x	X	Δ_y	Y
S1					1542.16		3451.01
S2	101.2415				1607.30		3245.66
A	245.9659		84.16				
B	95.0378		66.44				
C	302.7103						
D							
	744.955						

POLYGONATION



Points	Angles	G	D	Δ_v	X	Δ_v	Y
S1			Calcul de Gisement G_{S1S2} $\text{tg } g = \left \frac{\Delta_x}{\Delta_y} \right \quad g = \text{tg}^{-1} \left \frac{\Delta_x}{\Delta_y} \right $ $\Delta_x = X_{S2} - X_{S1} = 1607.30 - 1542.16 = 65.14 \text{ m}$ $\Delta_y = Y_{S2} - Y_{S1} = 3245.66 - 3451.01 = -205.35 \text{ m}$ $G_{S1S2} = 200 - g = 200 - 19.5553 = 180.4447 \text{ grad}$				01
S2	101.2415	180.4447					66
A	245.9659						
B	95.0378						
C	302.7103						
D							
	744.955						

POLYGONATION



Points	Angles	G	D	Δ_v	X	Δ_y	Y
S1		180.4447					3451.01
S2	101.2415	81.6862					3245.66
A	245.9659	127.6521					
B	95.0378	22.6899					
C	302.7103	125.4002	71.50				
D							
	744.955						

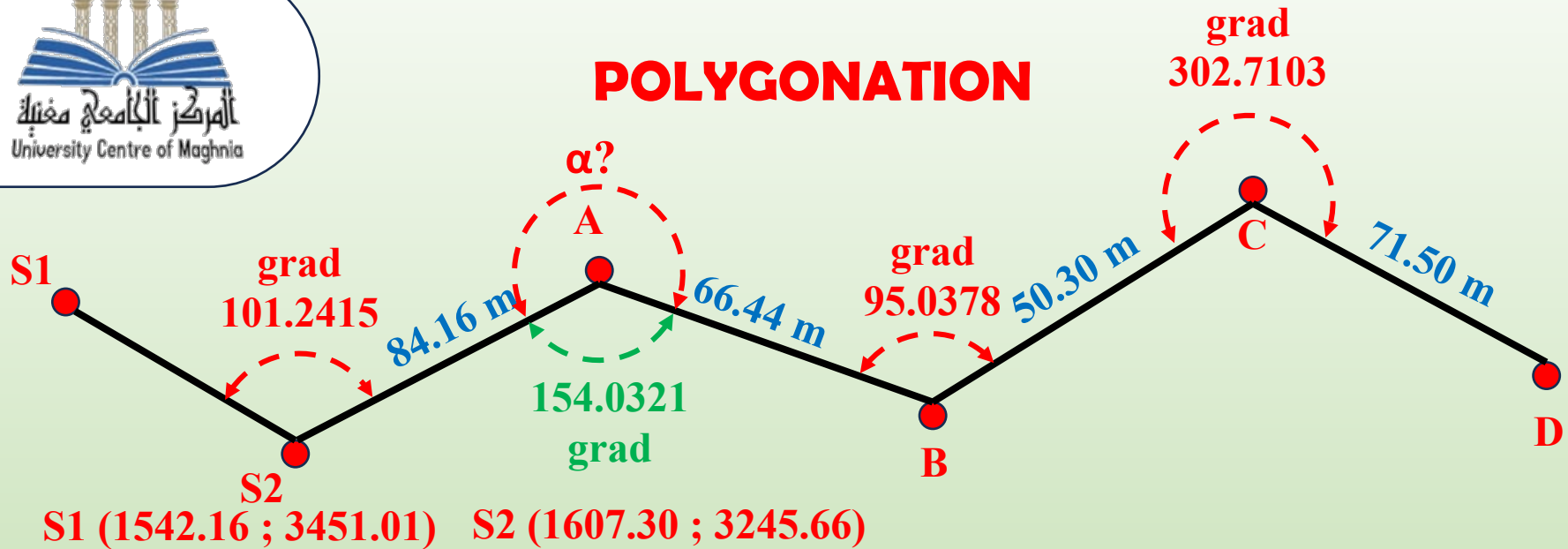
Calcul des Gisments

$$G_{S2A} = G_{S1S2} + g_{S2}$$

$$= 180.4447 + 101.2415 - 200$$

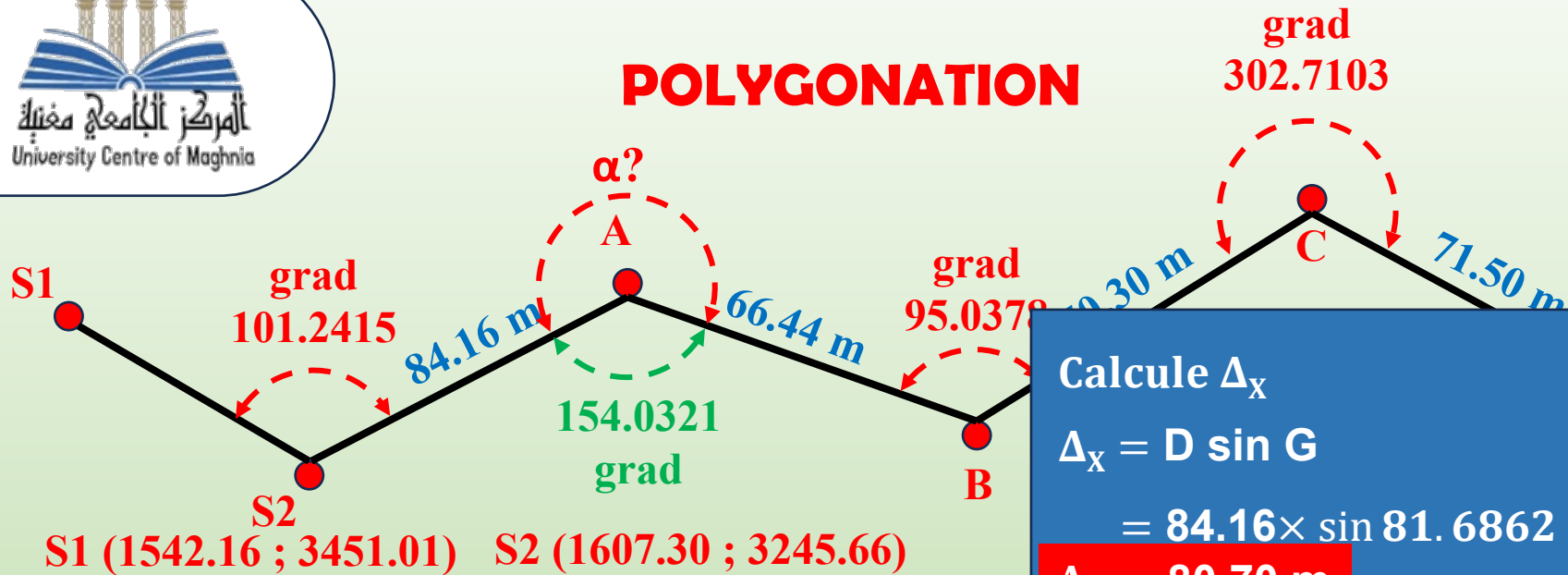
$$G_{S2A} = 81.6862 \text{ grad}$$

POLYGONATION



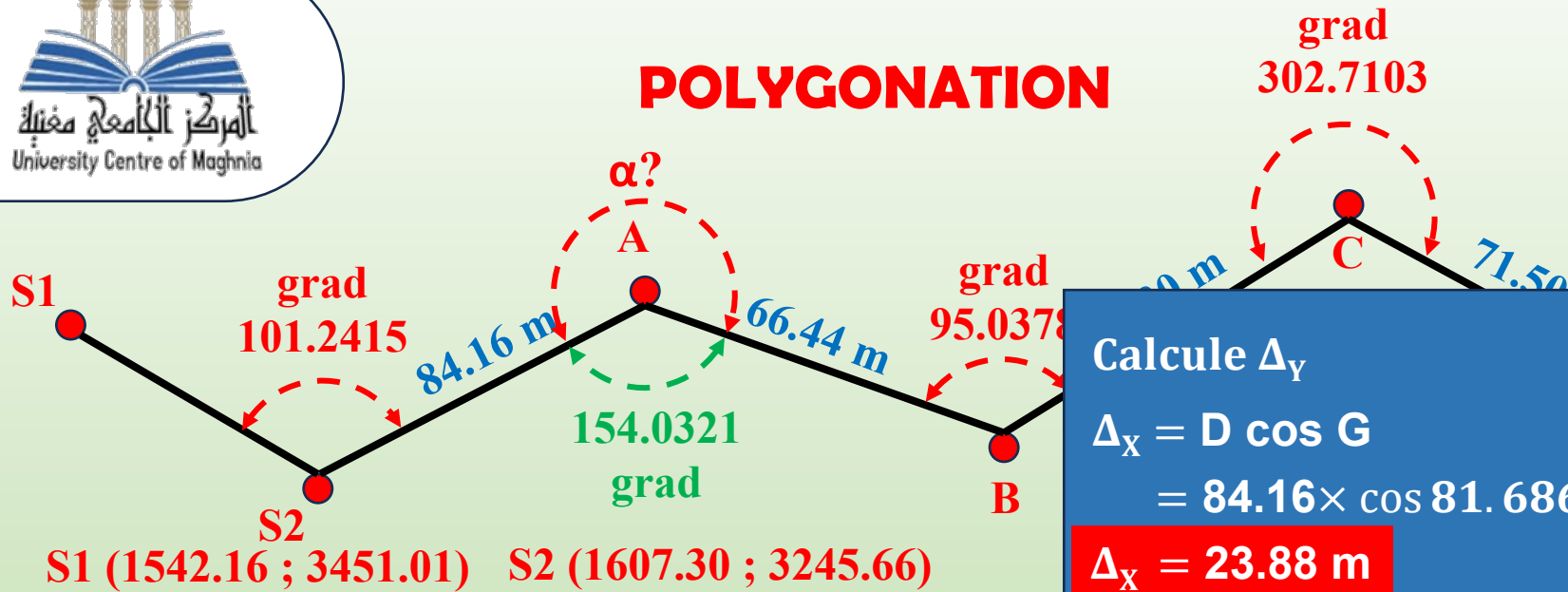
Points	Angles	G	D	Δ_v	X	Δ_y	Y
S1		180.4447	verification des Gisments $G_{FIN} = G_{DEP} + \sum \alpha - (N \times 200)$ $= 180.4447 + 744.9555 - 800$ $G_{S2A} = 125.4002 \text{ grad}$				3451.01
S2	101.2415	81.6862					3245.66
A	245.9659	127.6521					
B	95.0378	22.6899					
C	302.7103	125.4002					
D							
	744.955						

POLYGONATION

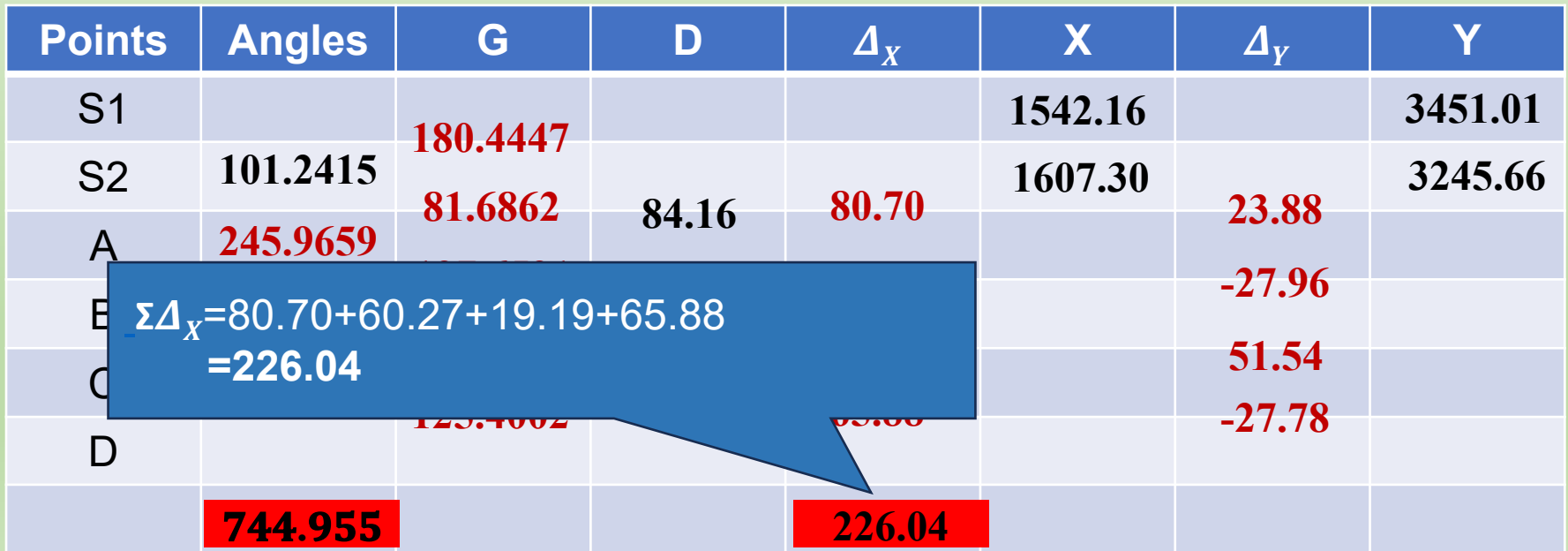


Points	Angles	G	D	Δ_x		
S1		180.4447			1542.16	3451.01
S2	101.2415	81.6862	84.16	80.70	1607.30	3245.66
A	245.9659	127.6521	66.44	60.27		
B	95.0378	22.6899	55.30	19.19		
C	302.7103	125.4002	71.50	65.88		
D						
	744.955					

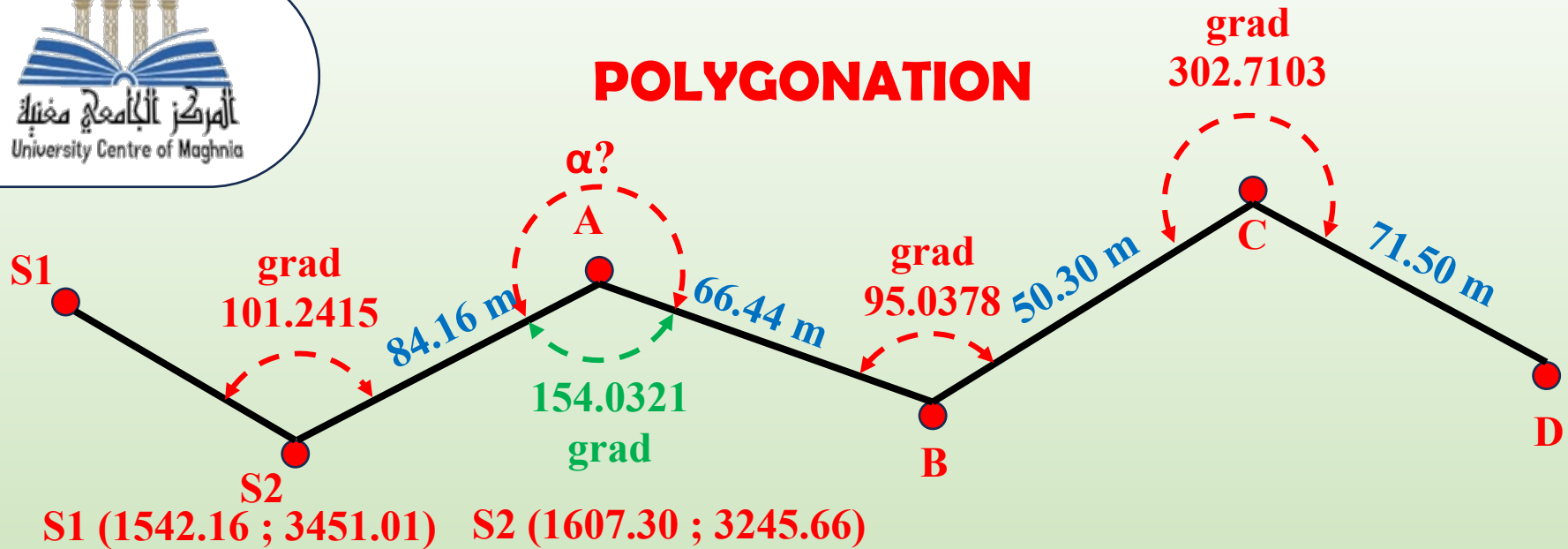
POLYGONATION



Points	Angles	G	D	Δ_x	Δ_y	
S1		180.4447				1542.16
S2	101.2415	81.6862	84.16	80.70	23.88	3245.66
A	245.9659	127.6521	66.44	60.27	-27.96	
B	95.0378	22.6899	55.30	19.19	51.54	
C	302.7103	125.4002	71.50	65.88	-27.78	
D						
	744.955					



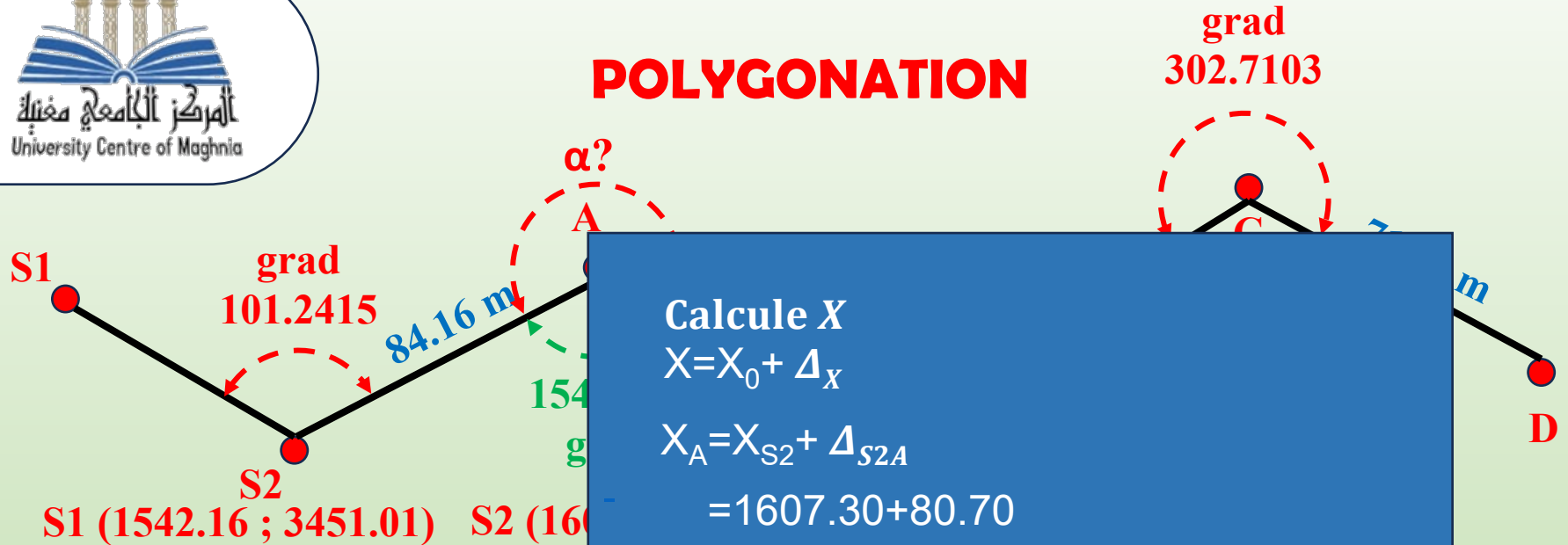
POLYGONATION



Points	Angles	G	D	Δ_x	X	Δ_y	Y
S1					1542.16		3451.01
S2	101.2415	180.4447			1607.30		3245.66
A	245.9659	81.6862	84.16	80.70		23.88	
B	95.0378	127.6521					
C	302.7103	22.7103					
D		125.1602					
	744.955			226.04		19.68	

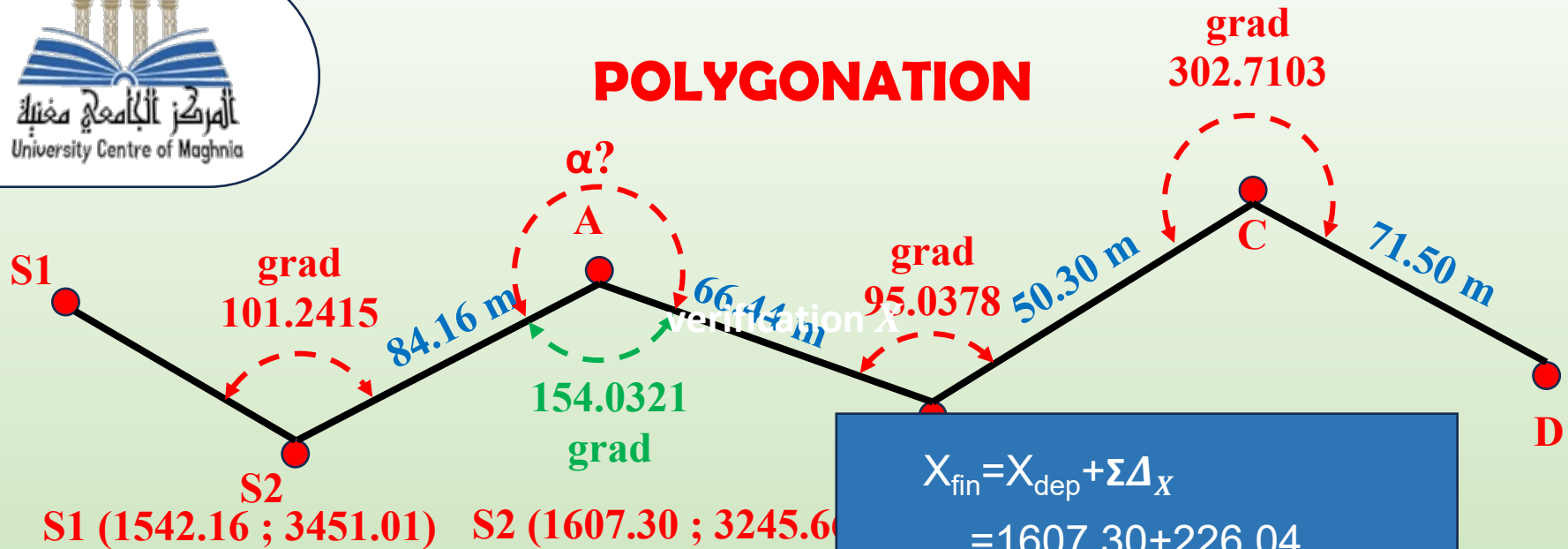
$$\Sigma \Delta_y = 23.88 + 51.54 - 27.96 - 27.78 = 19.68$$

POLYGONATION



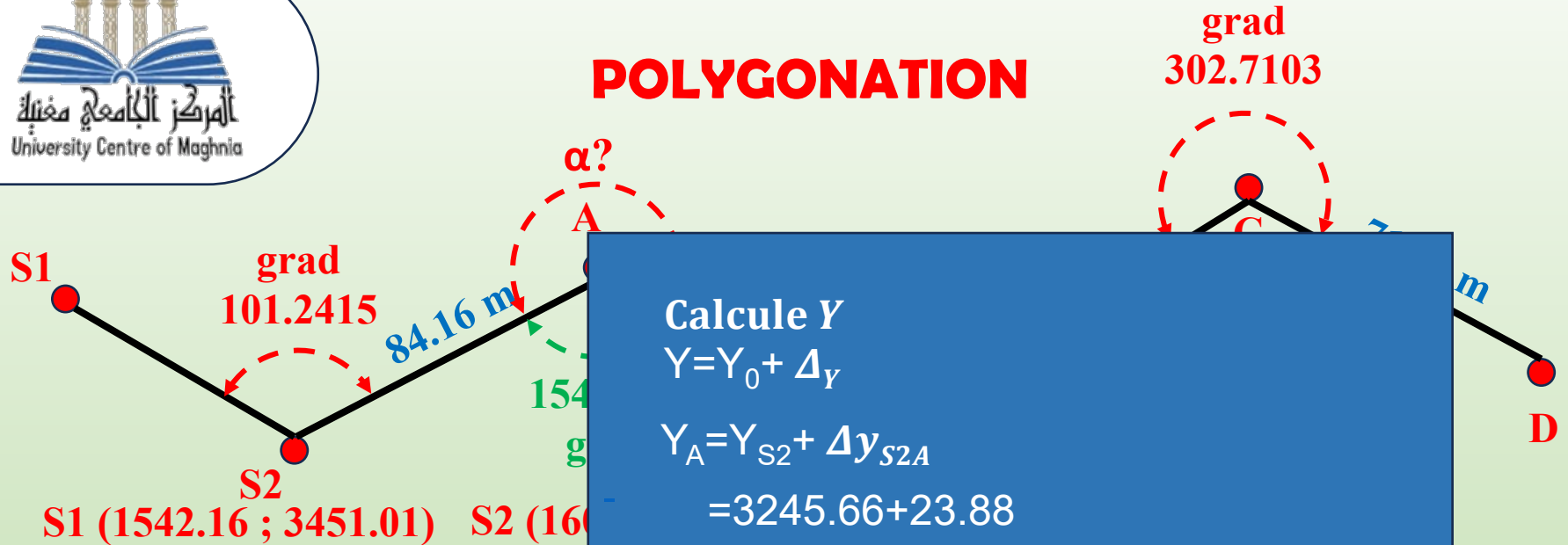
Points	Angles	G					Y
S1							3451.01
S2	101.2415	180.4447			1607.30		3245.66
A	245.9659	81.6862	84.16	80.70	1688.00	23.88	
B	95.0378	127.6521	66.44	60.27	1748.27	-27.96	
C	302.7103	22.6899	55.30	19.19	1767.46	51.54	
D		125.4002	71.50	65.88	1833.34	-27.78	
	744.955			226.04		19.68	

POLYGONATION



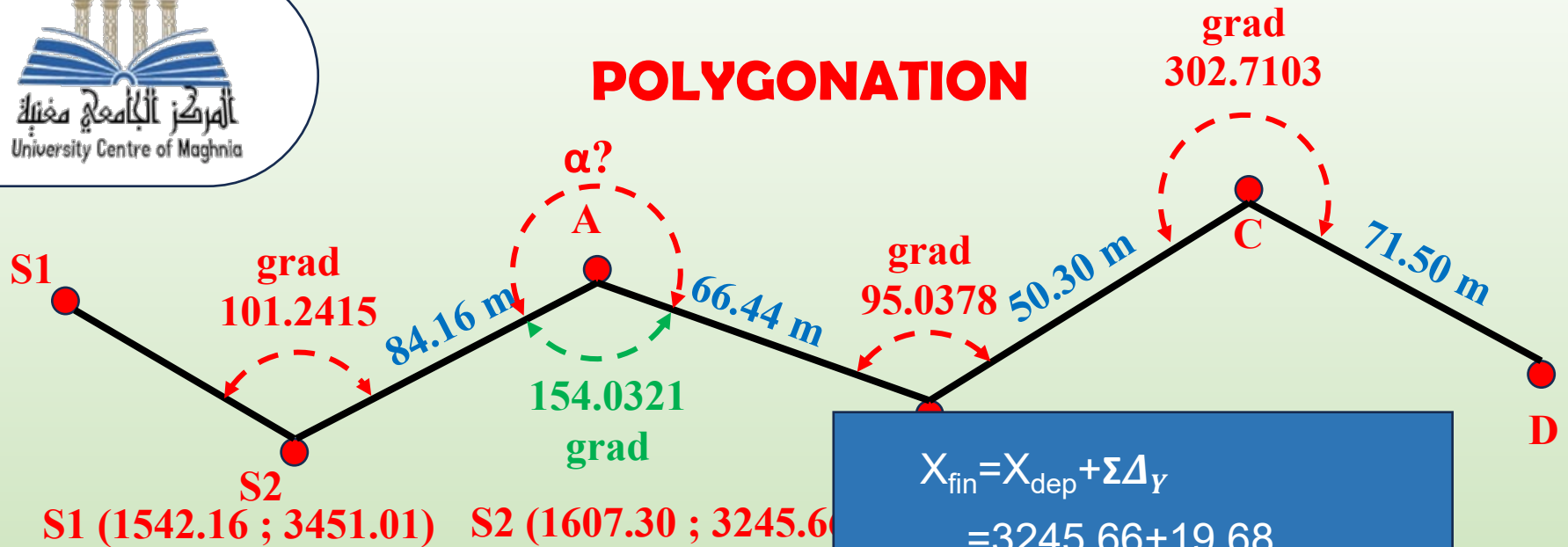
Points	Angles	G	D		Y
S1		180.4447			3451.01
S2	101.2415	81.6862	84.16	80.70	1607.30
A	245.9659	127.6521	66.44	60.27	1688.00
B	95.0378	22.6899	55.30	19.19	1748.27
C	302.7103	125.4002	71.50	65.88	1767.46
D					1833.34
	744.955			226.04	19.68

POLYGONATION



Points	Angles	G					Y
S1		180.4447					3451.01
S2	101.2415	81.6862	84.16	80.70	1607.30	23.88	3245.66
A	245.9659	127.6521	66.44	60.27	1688.00	-27.96	3269.54
B	95.0378	22.6899	55.30	19.19	1748.27	51.54	3241.58
C	302.7103	125.4002	71.50	65.88	1767.46	-27.78	3293.12
D					1833.34		3265.34
	744.955			226.04		19.68	

POLYGONATION



Points	Angles	G	D			Y
S1		180.4447				3451.01
S2	101.2415	81.6862	84.16	80.70	1607.30	3245.66
A	245.9659	127.6521	66.44	60.27	1688.00	3269.54
B	95.0378	22.6899	55.30	19.19	1748.27	3241.58
C	302.7103	125.4002	71.50	65.88	1767.46	3293.12
D					1833.34	3265.34
	744.955			226.04		19.68

MERCI POUR VOTRE ATTENTION